

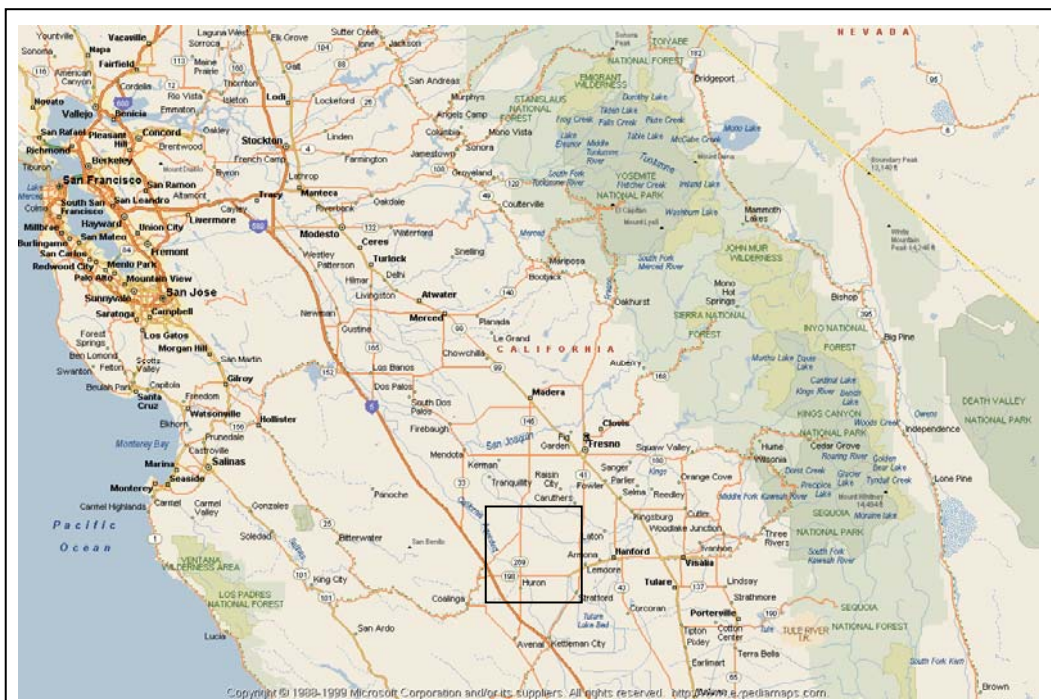
## California Ambient Dioxin Air Monitoring Program - Site Summary -

### Fresno – Five Points

*This page updated on March 26, 2007*

#### **Site Location:**

Monitoring for the California Ambient Dioxin Air Monitoring Program (CADAMP) was conducted at Westside Elementary School, located at 19191 West Excelsior Avenue in Five Points, located in Fresno County.



#### **Monitoring Start Date:**

Collection of samples for ambient air quality analysis for CADAMP at Five Points began in June 2005.

#### **Reason for Choosing Five Points:**

This site was chosen as a rural site in the San Joaquin Valley. This site will provide data representative of a non-industrial, low population, rural area and will complement the United States Environmental Protection Agency National Dioxin Air Monitoring Network (NDAMN) of rural sites. This site will provide additional data on rural ambient concentrations of dioxins, furans, dioxin-like polychlorinated biphenyls (PCBs), and polybrominated diphenyl ethers (PBDEs) as a comparison to other CADAMP urban sites.



***Monitoring Parameters:***

Dioxin-like compounds that will be monitored for CADAMP include dioxins, furans, congener specific PCBs, and PBDEs (flame retardants). A total of 75 compounds will be evaluated each month. Meteorological parameters will include wind speed, wind direction, ambient temperature and relative humidity.

***Monitoring Schedule:***

The dioxin sampler will be run for 24 days each month for the duration of the project. Quartz fiber filters plus XAD resin sandwiched between layers of polyurethane foam (PUF/XAD cartridges) comprise the sampling media. Filters will be collected and replaced every 6<sup>th</sup> day. PUF/XAD cartridges will be collected on the 28<sup>th</sup> day. Filters and PUF/XAD will be composited for a single monthly sample analysis. Meteorological data will be collected continuously.

***Anticipated End Date:***

Ambient dioxin air monitoring was conducted for one year. Monitoring ended at this site in May 2006.

***Agencies/Resources/Roles:***

The ARB is the lead agency for carrying out the California Ambient Dioxin Air Monitoring Program and has overall responsibility for the study. The AQSB staff will perform all routine sample collection tasks. A laboratory under contract to ARB will perform analysis of samples collected at Sacramento. Staff in the ARB Monitoring and Laboratory Division, Quality Management Branch (Operations Planning and Assessment Section) will have the lead role to coordinate sampling efforts, track the project, validate the data and conduct quality control and quality assurance activities. ARB's Stationary Source Division (SSD) will perform risk assessment. Data will be shared with the U.S. EPA and the San Joaquin Valley Air Pollution Control District. SSD will post results on the internet for the public.

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